CLAIMS

1. A titanium-containing solution containing titanium, an aliphatic diol and a polyhydric alcohol having a valency of 3 or greater, which contains (A) 0.05 to 20% by weight of a titanium compound, (B) 4 to 99% by weight of an aliphatic diol, and (C) 0.1 to 95% by weight of a polyhydric alcohol having a valency of 3 or greater.

2. The titanium-containing solution according to claim 1, wherein the titanium compound used in preparation of the solution is a polymer including not more than 100 units.

3. The titanium-containing solution according to claim 1, which contains water and/or a basic compound in a total proportion of 50% by weight or less.

4. A process for preparing a titanium-containing solution containing a titanium compound, an aliphatic diol and a polyhydric alcohol having a valency of 3 or greater, wherein (A) 0.05 to 20% by weight of a titanium compound, (B) 4 to 99% by weight of an aliphatic diol, and (C) 0.1 to 95% by weight of a polyhydric alcohol

having a valency of 3 or greater are used with respect to the total amount of the titanium-containing solution.

5. The process for preparing a titanium-containing solution according to claim 4, wherein water and/or a basic compound are used in a total proportion of 50% by weight or less.

6. A titanium-containing solution, in which the particle size of the titanium-containing compound in the solution is mainly from 0.4 nm to 5 nm.

7. The titanium-containing solution according to claim 6, wherein the solution contains aliphatic diol, and the molar ratio of the diol component and titanium (ratio of aliphatic diol/titanium atoms) is 10 or greater.

8. A catalyst for polyester preparation comprising the titanium-containing solution as described in any one of claims 1, 2, 3, 6 and 7, and the titanium-containing solution obtained by the process for preparation as described in claim 4 or 5.

9. A process for preparation of a polyester resin, wherein a polyester resin is prepared by polycondensing an aromatic dicarboxylic acid or an ester-forming derivative thereof with an aliphatic diol or an ester-forming derivative thereof, in the presence of the catalyst for polyester preparation as described in claim 8.

10. A blow molded product comprising the polyester resin obtained by the process as described in claim 9.